

A B S T R A C T

A BISTABLE LIQUID CRYSTAL DISPLAY DEVICE INCLUDING
IMPROVED ADDRESSING MEANS

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The present invention provides a method of electrically addressing a matrix screen of bistable nematic liquid crystals with breaking of anchoring, the method comprising the steps which consist in applying controlled electrical signals respectively to row electrodes and to column electrodes of the screen, and being characterized in that it further comprises the steps which consists in simultaneously addressing a plurality of rows using similar row signals that are offset in time by a duration greater than or equal to the time column voltages are applied, said row addressing signals comprising in a first period at least one voltage value serving to break the anchoring of all of the pixels in the row, followed by a second period enabling the final states of the pixels making up the address row to be determined, said final states being a function of the value of each of the electrical signals applied to the corresponding columns.

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Translation of the title and the abstract as they were when originally filed by the
35 Applicant. No account has been taken of any changes that may have been made subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.